

Application No. 10/585,157

Office Action dated: February 2, 2011

Office Action Response Dated: March 2, 2011

- Group VI:** Claims 62, 63, 83 and 103, drawn to a calibrating 3D imaging system, optical recorders, holographic calibration plates, fields of view, holographic calibration pattern, monolithic calibration plate and correction factors;
- Group VII:** Claims 64-82, 84-96, 104-107, 129, 130, 141, 142 and 160, drawn to calibrating 3D imaging system, desired wavelengths, holographic calibration plate, light source, calibration wavelengths, acquiring means, and virtual calibration pattern;
- Group VIII:** Claims 108-116, drawn to rendering 3D image, multidimensional optical recorder, spatial orientation, holographic calibration, combining multidimensional images, display, ultra short optical pulse, pulse times;
- Group IX:** Claims 131-134 and 160, drawn to capturing 3D images, two-dimensional optical recorder, holographic calibration plate, holographic calibration patterns, light source, calibration wavelength, holographic calibration plate, virtual calibration pattern, field of view of 3D optical and proximal desired object, and holographic correction plate;
- Group X:** Claims 143-146 and 160, drawn to calibrating multi-dimensional optical recorder, holographic calibration plate, holographic calibration pattern, desired object, light source, virtual calibration pattern and time code and synchronization;
- Group XI:** Claims 147 and 149-153, drawn to diamonds, spatial position, imperfections, 3D calibration grids and stereographic microscope;
- Group XII:** Claims 148-153, drawn to counting biological specimens, grid intersection points, and 3D calibration grids;
- Group XIII:** Claims 154 and 155, drawn to combining images, wavebands, recording holographic calibration pattern wavelengths, illuminating calibration hologram, spatial orientations and positions, and biometric information; and
- Group XIV:** Claims 158-160, drawn to aircraft optical recorders, calibration hologram, aircraft optical window, spatial orientations and positions, holographic calibration plate, calibration wavelength, and calibration pattern.

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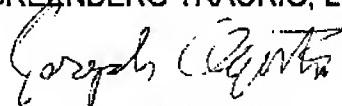
In response to the Examiner's restriction requirement, applicants hereby elect Group IV. Claims 46-58 and 140 are drawn to calibrating 3D imaging system, virtual calibration pattern, reference positions, calibration corrections, spatial locations and orientations, and adjusting images are directed to the elected invention. Applicants hereby reserve the right to file one or more divisional applications directed to the non-elected inventions.

In view of the foregoing election, applicants and their attorney respectfully request that this application be examined on the merits. Should there remain any questions of other matters whose resolution could be advanced by a telephone call, the Examiner is invited to contact the undersigned attorney at his number below.

No fees are believed to be due as a result of the submittal of this Response. If any such fees are due, the Examiner is hereby authorized to charge them to Deposit Account 501561.

Respectfully submitted,

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